Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR Erosion Survey

San Joaquin River Basin

RD2031	Overall LMA Rating	Total LMA Miles						
Reclamation District No. 2031 Elliot	U	13.05						
	U		5 " :				Design 8	& System
Rated Item			nce Deficiancy	T		ement	Obsole	scence
Fauthan Lava	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee Vegetation	0.36	0.53	2.48	19.00%	0.21			
Trim / Thin Trees	0.61	0.00	0.61	4.67%				
Encroachments	0.02		0.02	0.15%	0.72	0.07		
Animal Control	0.05		0.05	0.38%				
Slope Stability	0.01		0.01	0.08%				
Erosion / Bank Caving	0.04	0.03	0.16	1.23%				0.01
Flood Preparedness & Training	0.13		0.13	1.00%				
Supplemental								
DWR Erosion Survey	0.04		0.04	0.31%				
DWR UCIP Field Study					0.23			
LMA Totals:	1.26	0.56	3.50	26.81%	1.16	0.07	0.00	0.01
Unit No. 01 Stanislaus River LB	Overall Unit Rating	Total Unit Miles						
RD2031	U	7.07						
ND2001			nce Deficiancy		Enforc	Enforcement		k System
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles			U Miles
Earthen Levee	IVI IVIIIES	O IVIIIes	IVI + 40 IVIIIe3	Tillesiloid /6	IVI IVIIICS	O ivilles	IVI IVIIICS	O IVIIIes
Vegetation	0.35	0.53	2.47	34.92%	0.21			
Encroachments	0.02		0.02	0.28%	0.72	0.06		
Animal Control	0.05		0.05	0.71%				
Erosion / Bank Caving	0.04	0.03	0.16	2.26%				
Supplemental			T			I	I	
DWR Erosion Survey	0.04		0.04	0.57%				
DWR UCIP Field Study					0.16			
Unit Totals:	0.50	0.56	2.74	38.74%	1.09	0.06	0.00	0.00
Unit No. 02 San Joaquin River RB	Overall Unit Rating	Total Unit Miles						
RD2031	M	5.98						
		Maintena	nce Deficiancy		Enforc	ement		System scence
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles		
Earthen Levee								
Vegetation	0.01		0.01	0.17%				
Trim / Thin Trees	0.61		0.61	10.20%				
Encroachments						0.01		
Slope Stability	0.01		0.01	0.17%				
Erosion / Bank Caving								0.01
Supplemental					0.07			
DWR UCIP Field Study	0.00	0.00	0.00	40.5407	0.07	0.04	0.00	0.04
Unit Totals:	0.63	0.00	0.63	10.54%	0.07	0.01	0.00	0.01

LMA District Cover Sheet

Fall 2016 Levee Inspection Results

Reclamation District No. 2031 Elliot

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
† Overall LMA Rating (Fall Only)			U	
	** Non-receipt of Summ Reports may effect or			

† SPRING INSPECTIONS:	Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.
FALL INSPECTIONS:	The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indiction of risk.
Comments	

Unit Cover Sheet

Fall 2016 Levee Inspection Results

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles
Unit No. 01 Stanislaus River	Left	7.07

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	3/30/2016 - 3/30/2016		10/20/2016 - 10/20/2016	
DWR Inspector	Maksim Khashchuk		Maksim Khashchuk	
Accompanied By	Arvid Carlson RD2031 Elliott			

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

http://cdec.water.ca.gov/lma.html

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.07	10/20/2016 10/20/2016	Maksim Khashchuk

LM Start		Rating **	М	Issue No.		5	
LM End		Issue Type +	Ма	Location *		N/A	
Category	Earthen L	evee		GPS La	atituc	de/Longitude	
Calegory				Start		End	
Item	Flood Pre	paredness &	Training		0		0
пеш					0		0
DWR ID DWR_RD2031_01_s _ 2013_5							
		Comn	nent Cod	le			
		Inspecto	or Comm	ent			
LMA has a flood response plan.							

No Photos

LM Start		Rating **	Α	Issue No.		6	
LM End		Issue Type +	Ma	Location *		N/A	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item		y Supplies &			0		0
пеш	Equipmer	nt			0		0
DWR ID	DWR_RD2	031_01_s _ 201	3_6				
		Comn	nent Cod	de			
		Inspecto	or Comm	nent			
Supplies a	vailable or	n-site.					

No Photos

LM Start		Rating **	Α	Issue No.		12		
LM End		Issue Type +	Ma	Location *		N/A		
Category	Earthen L	evee		GPS La	atitud	le/Longitude		
Calegory				Start		End		
Item		s & Maintena	nce		0		0	
item	Manuals				0		0	
DWR ID	DWR ID DWR_RD2031_01_s _ 2013_12							
		Comn	nent Cod	de				
		Inspecto	or Comm	nent				
O&M Man	ual availab	le at the office	€.					

No Photos

Page 1 of 40

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS: Water Side	M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En: Enforcement

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.07	10/20/2016 10/20/2016	Maksim Khashchuk

LM Start	0.00	Rating **	М	Issue No.		963	
LM End	0.06	Issue Type +	En	Location *		WS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	Encroachi	ments		37.7100	001°	37.709951 °	
item				-121.1553	891°	-121.156539°	
DWR ID DWR_RD2031_01_s _ 2012_963							
	Comment Code						
FE : Fence)						
		Inspecto	or Comm	nent			
Wooden and steel livestock fence and debris limit access to slope.							

Μ

En

Issue No.

Location *

963 (cont)

WS

LM Start

LM End

0.00

0.06

Rating **

Issue Type +

Photo 1 of 2: FA_2016_RD2031_307_963_20161024_00086.jpg		
	Photo 1 of 2: FA_2016_RD2031_307_963_20161024_00086.j	pg
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View of the fence on the waterside levee slope. Fall 2016

Photo 2 of 2: FA_2016_RD2031_307_963_20160914_00040.jpg



Fall 2009 photo looking upstream at beginning of unit 1. Water side to the left.

LM Start	0.02	Rating **	U	Issue No.		122		
LM End	0.02	Issue Type +	En	Location *		WS		
Category	Earthen L	evee		GPS La	atitude	e/Longitude		
Category				Start		End		
Item	Encroach	ments		37.7100)16°	37.710016°		
item				-121.155803 °		-121.155803°		
DWR ID DWR_RD2031_01_s _ 2015_122								
Comment Code								
DE : Debr	is							
Inspector Comment								



View of the pile of debris on the waterside levee slope.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.07	10/20/2016 10/20/2016	Maksim Khashchuk

LM Start	0.06	Rating **	М	Issue No.		50		
LM End	0.06	Issue Type +	En	Location *		WS		
Category	Earthen L	evee		GPS La	atitud	e/Longitude		
Calegory				Start		End		
Item	Encroachi	ments		37.7099	50°	37.709950°		
пеш			-121.156540°		-121.156540°			
DWR ID DWR_RD2031_01_f _ 2013_50								
Comment Code								
FE : Fence								
Inspector Comment								
Unpermitted gates at waterside levee hinge.								
-								



View of the gate at the waterside levee hinge.

Photo 1 of 1: FA_2016_RD2031_307_31_20161024_00088.jpg

LM Start	0.07 Rating ** M Issue No. 31					31		
LM End	0.15	Issue Type +	Ma	Location *	LS			
Category	Earthen L	evee		GPS La	atitud	e/Longitude		
Category			Start		End			
Item	Vegetatio	า	37.7099	15°	37.708707°			
item				-121.156548°		-121.156764°		
DWR ID	DWR_RD2031_01_f _ 2016_31							
Comment Code								
V1 : Control annual grass and weeds on the levee slopes and easements.								
	Inspector Comment							



View of the vegetation on the landside levee slope.

Photo 1 of 1: FA_2016_RD2031_307_32_20161024_00089.jpg

LM Start	0.17	Rating **	М	Issue No.		32		
LM End	0.41	Issue Type +	Ma	Location *	WS			
Category	evee	GPS Latitude/Longitude						
Category				Start		End		
Vegetation Item				37.7083	50°	37.705155°		
item			-121.1568	56°	-121.158451 °			
DWR ID DWR_RD2031_01_f _ 2016_32								
	Comment Code							

V1 : Control annual grass and weeds on the levee slopes and easements.

Inspector Comment



View of the vegetation on the waterside levee slope. Looking downstream.

*Location
LS: Land Side N/A: Not Applicable
WS: Water Side
CR: Crown

** Rating
A: Acceptable
N: Not Inspected/Rated
N: Not Inspected/Rated
C: Corrected
M: Minimally Acceptable
C: Corrected
D: Unacceptable
A: Rating
A: Hssue Type
Ma: Maintenance Deficiancy
Ob: Design & System Obsolescence
En: Enforcement

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.07	10/20/2016 10/20/2016	Maksim Khashchuk

LM Start	0.34	Rating **	М	Issue No.		7	
LM End	0.52	Issue Type +	En	Location *		WS	
Category	Earthen L	evee		GPS Latitude/Longitude			
Calegory				Start		End	
Item	Encroachi	ments		37.7061	48 °	37.704030 °	
пеш				-121.157975°		-121.159653 °	
DWR ID DWR_RD2031_01_s _ 2012_7							
Comment Code							
FE : Fence							
Inspector Comment							
Fence appears to be completed without CVFPB approval.							

LM Start	0.34	Rating **	М	Issue No.	7 (cont)
I M End	0.52	Issue Type +	En	Location *	WS



05/10/2011 Fence on waterside prevents access to waterside slope.

Photo 2 of 3: FA_2016_RD2031_307_7_20160914_00010.jpg



View of fence obstructing access to waterside slope. Facing upstream.

LM Start	0.34	Rating **	М	Issue No.	7 (cont)
LM End	0.52	Issue Type +	En	Location *	WS





View of fence on waterside slope facing downstream.

* Location	** Rating		+ Issue Type
LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.07	10/20/2016 10/20/2016	Maksim Khashchuk

LM Start	0.44	Rating **	М	Issue No.		14			
LM End	0.53	Issue Type +	En	Location *		LS			
Earthen Levee				GPS Latitude/Longitude					
Category			Start		End				
Item	Encroachi	37.7049	27°	37.703788°					
item				-121.158860 °		-121.159923°			
DWR ID DWR_RD2031_01_f _ 2012_14									
Comment Code									
FE : Fence)								
		Inspecto	or Comn	nent					
It appears the fence was completed without CVFPB approval.									

Photo 1 of 2 : FA_2016_RD	02031_307_14_20	160914_00014.jpg
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		Marin Service
	7.	
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		2311 2017 2 1U - 32

View of fence on landside levee shoulder obstructing access to landside slope. Facing upstream.

Photo 2 of 2: FA_2016_RD2031_307_14_20160914_00015.jpg



View of fence on landside levee shoulder facing downstream.

LM Start	0.44	Rating **	М	Issue No.	14 (cont)
LM End	0.53	Issue Type +	En	Location *	LS

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.07	10/20/2016 10/20/2016	Maksim Khashchuk

LM Start	0.45	Rating **	М	Issue No.		1	
LM End	0.48	Issue Type +	Ma	Location *	WS		
Supplemental Category				GPS Latitude/Longitude			
Calegory				Start		End	
Item	DWR Ero	sion Survey		37.7047	40°	37.704740°	
пеш				-121.1591	40°	-121.159140°	
DWR ID							

Inspector Comment

Comment Code

07/25/2016: No significant change observed.

08/28/2015: No significant change observed. 07/31/2014: No significant change observed.

09/10/2013: No significant change observed.

07/18/2012: No significant change observed.

08/18/2011: No significant change observed on site. Debris that blocks the irrigation outlet is visible.

10/19/2010: No significant change observed on site. Sloughing of the bank is occurring adjacent to an irrigation outlet structure. There is moderate to heavy vegetation along the bank that is well established. Broken chunks and slabs of concrete are used as rip rap and line the outside of the irrigation outlet structure. However, much of the rip rap along the slope is sloughing and could possibly lead to future slope instability.

08/05/2010: Recommended as a local maintenance issue, per CLRO. 08/20/2009: No major change observed since last visit; 1 inch fissure cracks developing on the slope; rip rap is showing signs of sloughing; recommend as local maintenance issue; site was previously rated "U". 2008: No change from previous year; irrigation outlet located on site; rip rap placed on river bank.

09/06/2007: Near agricultural diversion; only 3' landside height differential. [2016 Site ID:RD2031U01RM0.48]

LM Start	0.45	Rating **	М	Issue No.	1 (cont)
LM End	0.48	Issue Type +	Ma	Location *	WS



Direct view of the site.

Photo 2 of 2: SJR2016_RD2031U01RM0.48_3.jpg



View of the current condition of the bank slope just above the irrigation outlet.

+ Issue Type
Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.07	10/20/2016 10/20/2016	Maksim Khashchuk

LM Start	0.48	Rating **	М	Issue No.	2			
LM End	0.51	Issue Type +	Ма	Location *	WS			
Category	Earthen Levee			GPS Latitude/Longitude				
Calegory			Start		End			
Item	Vegetation			37.7043	35 °	37.704050°		
пеш				-121.1592	17°	-121.159578°		
DWR ID	DWR ID DWR_RD2031_01_s _ 2012_2							
Comment Code								

V2 : Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

Remove vegetation 20 feet away from the levee crown.

LM Start	0.48	Rating **	М	Issue No.	2 (cont)
LM End	0.51	Issue Type +	Ma	Location *	WS



View of the large tree branch on the waterside levee slope. Fall 2016

Photo 2 of 3: FA_2016_RD2031_307_2_20160914_00004.jpg



View of vegetation on waterside slope. Facing upstream.

LM Start	0.48	Rating **	М	Issue No.	2 (cont)
LM End	0.51	Issue Type +	Ma	Location *	WS



10/26/2011 Updated photo of waterside vegetation.

*Location

LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown

** Rating

A : Acceptable N : Not Inspected/Rated M : Maintenance Deficiancy

C : Corrected Ob : Design & System Obsolescence

U : Unacceptable A/W : Acceptable but Monitor & Maintain Enforcement

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.07	10/20/2016 10/20/2016	Maksim Khashchuk

LM Start	0.51	Rating **	М	Issue No.		48	
LM End	0.51	Issue Type +	En	Location *		WS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	Encroachi	Encroachments			41°	37.704041 °	
item				-121.159629°		-121.159629 °	
DWR ID DWR_RD2031_01_f _ 2015_48							
		Comn	nent Cod	de			
MA : Mate	rial						
Inspector Comment							
Concrete dumped on the waterside slope.							

Photo 1 of 1 : FA_2016_RD2031_307_48_20160914_00026.jpg

View of the concrete placed on the waterside levee slope.

LM Start	0.54	Rating **	U	Issue No.		969			
LM End	0.57	Issue Type +	En	Location *		LS			
Category	Earthen Levee					GPS Latitude/Longitude			
Category				Start		End			
Item	Encroach	37.7036	26°	37.703300°					
пеш				-121.1597	14°	-121.159779°			
DWR ID	R ID DWR_RD2031_01_s _ 2012_969								

Comment Code

BU: Building

Inspector Comment

Corrals and house on levee slope and crown. The Corrals do not have CVFPB permit.

Photo 1 of 1 : FA_2016_RD2031_307_969_20160914_00041.jpg



View of the new coral at the landside levee slope and toe.

LM Start	0.56	Rating **	М	Issue No.		126	
LM End	0.56	Issue Type +	En	Location *		WS	
Category	evee	GPS Latitude/Longitude					
Category			Start		End		
Item	Encroach	ments		37.7033	94°	37.703394°	
пеш				-121.1597	13 °	-121.159713°	
DWR ID DWR_RD2031_01_s _ 2014_126							
			_				

Comment Code

MA: Material

Inspector Comment

Levee built up with material from adjacent field. Unpermitted. The landowner has contacted CVFPB and started the permitting process. The permit application was never submitted as of Fall 2016.

Photo 1 of 1 : FA_2016_RD2031_307_126_20160914_00038.jpg



View of the material placed on the waterside levee slope to build up the levee and increase the levee crown. Spring 2014.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.07	10/20/2016 10/20/2016	Maksim Khashchuk

LM Start	0.60	Rating **	М	Issue No.		58	
LM End	0.63	Issue Type +	En	Location *		LS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory						End	
Item	Encroachi	ments		37.7031	86°	37.702786°	
item	item			-121.160211 °		-121.160628°	
DWR ID DWR_RD2031_01_f _ 2014_58							
		Comn	nent Cod	de			
FE : Fence)						
		Inspecto	or Comm	nent			
Unpermitted fence on landside levee hinge.							

Photo 1 of 1: FA_2016_RD2031_307_58_20160914_00034.jpg	1
THOU TO THE TAIL THE TAIL TO T	,
11/00/2010	

View of the unpermitted fence on the landside levee hinge.

LM Start	0.63	Rating **	М	Issue No.		4		
LM End	0.72	Issue Type +	En	Location *		LS		
Category	Earthen L	evee		GPS La	atitud	le/Longitude		
Calegory				Start		End		
Item	Encroachi	ments		37.7028	14°	37.701875°		
пеш	item				62°	-121.161670°		
DWR ID	DWR ID DWR_RD2031_01_s _ 2012_4							
		Comn	nent Cod	de				
FE : Fence)							
Inspector Comment								



View of the fence at the landside levee toe.

LM Start	0.65	Rating **	М	Issue No.		35	
LM End	0.65	Issue Type +	En	Location *		LS	
Category	Earthen L	evee		GPS La	atitud	le/Longitude	
Calegory				Start		End	
Item	Encroachi		37.7026	43°	37.702643	0	
item				-121.160867 °		-121.160867	0
DWR ID	DWR_RD2	031_01_s _ 201	2_35				
		Comn	nent Cod	le			
DE : Debri	S						
			0	1			_
		Inspecto	or Comm	ient			
Tractor wh Spring 201		ope of landsid on.	e levee.	It has been	the	re since	



View of tractor wheels on landward slope. 05/02/2012

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.07	10/20/2016 10/20/2016	Maksim Khashchuk

LM Start	0.67	Rating **	М	Issue No.		40		
LM End	0.67	Issue Type +	En	Location *		CR		
Cotogony	Earthen L	evee		GPS La	atitud	e/Longitude		
Category				Start		End		
Item	Encroach	ments		37.7024	24°	37.702424°		
пеш			-121.160946 °		6° -121.160946°			
DWR ID DWR_RD2031_01_f _ 2016_40								
		Comn	nent Cod	de				
LI : Landso	cape Irriga	tion						
		Inspecto	or Comm	nent				
Appears to be a low voltage wire crossing at this location. Unpermitted. Fall 2016.								

Photo 1 of 1 : FA_2016_RD2031_307_40_20161024_00090.jpg



View of the wire crossing the levee about 4 to 6 inches deep into the levee slope and crown. Irrigation box identifies the crossing location.

Photo 1 of 1: FA_2016_RD2031_307_127_20160914_00039.jpg

LM Start	0.71	Rating **	U	Issue No.		127	
LM End	0.71	Issue Type +	En	Location *		LS	
Category Earthen Levee				GPS Latitude/Longitude			
Calegory			Start		End		
ltem Encroachments			37.702051 °		° 37.702051 °		
item				-121.1615	02°	-121.161502°	
DWR ID	DWR_RD2	031_01_s _ 201	4_127				
Comment Code							
MA: Material							

Inspector Comment

Remove concrete stockpile from the levee toe easement.



View of the concrete debris stockpiled at the landside levee toe.

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.07	10/20/2016 10/20/2016	Maksim Khashchuk

LM Start	0.72	Rating **	М	Issue No.		984		
LM End	0.72	Issue Type +	En	Location *		LS		
Category	ental	GPS Latitude/Longitude						
Category				Start		End		
Item	DWR UCI	P Field Study		37.7019	12°	37.701912°		
пеш				-121.1616	42 °	-121.161642°		
DWR ID						·		
	Comment Code							

Inspector Comment

FS_ID:20046 DS_ID:20440 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: Alfalfa valve on the WS toe is damaged. FIELD_STRUCT_DESC: 30-inch corrugated metal irrigation pipe through the levee 5.0-feet below the crown. Flashboard slots in concrete headwall on the landward side. Distribution box with alfalfa valve on the waterward side. Installed by USACE, 1966. Replaced a

30-inch pipe at same location. FS Date: 9/11/2013

LM Start	0.72	Rating **	М	Issue No.	984 (cont)
LM End	0.72	Issue Type +	En	Location *	LS



Concrete headwall and pipe at concrete channel along landside shoulder of levee.





Concrete headwall and damaged alfalfa valve on WS toe.

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.07	10/20/2016 10/20/2016	Maksim Khashchuk

LM Start	0.72	Rating **	М	Issue No.		972
LM End	0.76	Issue Type +	En	Location *	LS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude
				Start		End
Item	Encroach	ments		37.7019	06°	37.701370°
пеш				-121.1616	61 °	-121.161986°
DWR ID DWR_RD2031_01_s _ 2012_972						
		Comn	nent Cod	de		
DT : Ditch						
		Inspect	or Comm	nent		

Photo 1 of 1: FA_2016_RD2031_307_972_20160914_00042.jpg



View of the ditch on landside levee toe, facing downstream.

LM Start	0.75	Rating **	М	Issue No.		985		
LM End	0.75	Issue Type +	En	Location *		LS		
Category Supplemental				GPS Latitude/Longitude				
Calegory				Start		End		
DWR UCIP Field Study				37.7015	52 °	37.701552°		
item				-121.1618	83 °	-121.161883°		
DWR ID								

Comment Code

Inspector Comment

FS_ID:20047 DS_ID:20441 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: This pipe appears abandoned and if so, should be

done so appropriately.

FIELD_STRUCT_DESC: 15-inch corrugated metal pipe through levee 4.0 feet below crown. Flashboard slots on the landward side. Installed by USACE 1966. Originally included in the 1968 O&M manual. FS Date: 9/11/2013

Photo 1 of 2: UCIP_FA_2016_20047_33950.jpg



Damaged CMP pipe on WS slope.

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.07	10/20/2016 10/20/2016	Maksim Khashchuk

LM Start	0.75	Rating **	М	Issue No. 985 (con		985 (cont)
LM End	0.75	Issue Type +	En	Location *	t LS	
Category	ental	GPS Latitude/Longitude				
Calegory				Start		End
Item	DWR UCI	P Field Study		37.70155	52 °	37.701552°
пеш				-121.16188	33°	-121.161883°
DWR ID						
Comment Code						

Inspector Comment

FS_ID:20047 DS_ID:20441 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: This pipe appears abandoned and if so, should be

done so appropriately.

FIELD_STRUCT_DESC: 15-inch corrugated metal pipe through levee 4.0 feet below crown. Flashboard slots on the landward side. Installed by USACE 1966. Originally included in the 1968 O&M manual.

FS Date: 9/11/2013



Hole in pipe at WS slope.

LM Start	0.77	Rating **	М	Issue No.		36
LM End	0.77	Issue Type +	Ma	Location *		LS
Category	evee	GPS La	e/Longitude			
Calegory			Start		End	
Item	Animal Control			37.701177°		37.701177°
пеш				-121.1620	55 °	-121.162055 °
DWR ID	DWR_RD2	2_36				
Comment Code						

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment



Photo 1 of 1: FA_2016_RD2031_307_36_20160914_00021.jpg

View of rodent burrows on landside slope.

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.07	10/20/2016 10/20/2016	Maksim Khashchuk

LM Start	0.80	Rating **	М	Issue No.		986	
LM End	0.80	Issue Type +	En Location *		Location *		
Category				GPS Latitude/Longitude			
Calegory				Start		End	
Item	DWR UCIP Field Study			37.70085	3°	37.700853	0
пеш				-121.16234	9°	-121.162349	0
DWR ID							

Inspector Comment

Comment Code

FS_ID:20049 DS_ID:20443 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: Pipe appears abandoned as WS slope is covered

with soil. If abadoned, it should be done so properly.

FIELD_STRUCT_DESC: 24-inch steel pipe through levee 2.0-feet below the crown. Concrete headwall on both sides of levee crown.

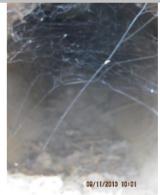
FS Date: 9/11/2013





Open pipe and headwall on LS slope.

Photo 2 of 2: UCIP_FA_2016_20049_33955.jpg



Pipe not filled with concrete.

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.07	10/20/2016 10/20/2016	Maksim Khashchuk

LM Start	0.84	Rating **	М	Issue No.		42			
LM End	0.84	Issue Type +	Ma	Location *	LS				
Earthen Levee				GPS Latitude/Longitude					
Category				Start		End			
Item	Erosion / I	Bank Caving		37.7004	47°	37.700447°			
item				-121.1627	'42 °	-121.162742 °			
DWR ID DWR_RD2031_01_f _ 2016_42									
Comment Code									
E2 : Sched	dule repair	of erosion site	e prior to	the next in	spe	ction.			
		1	0	1					
		Inspecto	or Comm	ient					



View of the erosion of the landside levee slope.

LM Start	0.92	Rating **	М	Issue No.		51		
LM End	0.92	Issue Type +	En	Location *	CR			
Category Earthen Levee			GPS La	atituc	le/Longitude			
Calegory				Start		End		
Item	Encroachi	37.6997	27°	37.699727°				
item				-121.163919°		-121.163919°		
DWR ID	DWR ID DWR_RD2031_01_f _ 2013_51							
Comment Code								
FE : Fence	e							
Inspector Comment								
Unpermitte	Unpermitted gate across levee crown.							



View of the gate across levee crown.

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.07	10/20/2016 10/20/2016	Maksim Khashchuk

LM Start	0.92	Rating **	М	Issue No.	997			
LM End	0.92	Issue Type +	En	Location *	CR			
Category	ental	GPS Latitude/Longitude						
Category				Start		End		
Item	DWR UCI	P Field Study		37.69969	92 °	37.699692	0	
пеш				-121.1639	77°	-121.163977	0	
DWR ID								
	Comment Code							

Inspector Comment

FS_ID:47158 DS_ID:20444 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Indicator Found

UCIP Comments: Need site visit by UCIP--Concrete headwall present on landward side toe. Need to coordinate with owner to determine if this headwall is for 24-inch pipe or if the structure is part of drainage system that could run parallel to levee.

FIELD_STRUCT_DESC: 24-inch pipe through levee 3.5 feet below

crown. Flap gate on the waterward end.

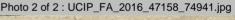
FS Date: 9/10/2013

		OF THE SECOND STREET, SALES
*	* -	
		09/11/2013
	A only	landward side

toe.

Photo 1 of 2: UCIP_FA_2016_47158_74940.jpg

Rating ** Issue No. LM Start 0.92 997 (cont) 0.92 Issue Type + En Location ' CR LM End





Front view of concrete structure located on landward toe.

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.07	10/20/2016 10/20/2016	Maksim Khashchuk

LM Start	1.00	Rating **	М	Issue No.		59			
LM End	1.00	Issue Type +	Ма	Location *		LS			
Category	Earthen Levee				GPS Latitude/Longitude				
Calegory				Start		End			
Item	Animal Co	ontrol		37.6993	27°	37.699327°			
item				-121.1653	64°	-121.165364°			
DWR ID DWR_RD2031_01_f _ 2014_59									
	Comment Code								
A3 : No roo compact o		le, but rodent rows.	burrows	visible; nee	ed to	backfill and			
		Inspecto	or Comm	nent					
Some of th	Some of the rodent holes have collapsed.								

Μ

Ма

Issue No.

Location *

59 (cont)

LS

Rating **

Issue Type +

LM Start

LM End

1.00

1.00

Photo 1 of 3	3 : FA_2016	_RD2031	_307_59	_20161024_	_00092.jpg
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A Tr	A Section	Carlo Contract	TOP		127

View of the rodent holes on the landside levee slope.

Photo 2 of 3: FA_2016_RD2031_307_59_20160914_00036.jpg



Another view of the rodent hole on the landside levee slope.

LM Start	1.00	Rating **	М	Issue No.	59 (cont)
LM End	1.00	Issue Type +	Ma	Location *	LS



View of the multiple rodent holes on the landside levee slope.

*Location

LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown

**Rating

A : Acceptable N : Not Inspected/Rated M : Maintenance Deficiancy

C : Corrected Ob : Design & System Obsolescence

U : Unacceptable A/W : Acceptable but Monitor & Maintain

**Issue Type

Ma : Maintenance Deficiancy

Ob : Design & System Obsolescence

En : Enforcement

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.07	10/20/2016 10/20/2016	Maksim Khashchuk

	4.40	Dating **	N.4	Issue No		4.4		
LM Start	1.16	Rating **	М	issue ivo.		44		
LM End	1.16	Issue Type +	Ma	Location *	LS			
Category	Earthen L	evee		GPS La	atitud	le/Longitude		
Calegory						End		
Item	Animal Co	ontrol		37.6988	848°	37.698848°		
пеш				-121.1680	88°	-121.168088°		
DWR ID DWR_RD2031_01_f _ 2016_44								
Comment Code								
	dents visib or grout bur	le, but rodent rows.	burrows	visible; ne	ed to	backfill and		
		Inspecto	or Comm	nent				



LM Start	1.27	Rating **	М	Issue No.		987	
LM End	1.27	Issue Type + En Location		Location *		LS	
Category			GPS Latitude/Longitude				
Calegory				Start		End	
DWR UCIP Field Study				37.69948	30°	37.699480°	
Item				-121.1698	50°	-121.169850°	
DWR ID							

Inspector Comment

Comment Code

FS_ID:20085 DS_ID:20445 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: Pipe corroded through at distribution box. Appears abandoned and should be done so properly.

FIELD_STRUCT_DESC: 1 of 2: 12-inch steel pipe through the levee 3.3-feet below the crown. Pump missing from pile structure on the riverbank. Concrete distribution box on the landward side. Installed by USACE, 1966. Also included in 1968 O&M manual.

FS Date: 9/11/2013

View of the rodent holes on the landside levee slope.



Concrete distribution box on LS shoulder.

Acceptable Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En: Enforcement

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.07	10/20/2016 10/20/2016	Maksim Khashchuk

LM Start	1.27	Rating **	М	Issue No.	987 (cont)		
LM End	1.27	Issue Type +	En	Location *		LS	
Category			GPS Latitude/Longitude				
Category				Start		End	
Itom	Item DWR UCIP Field Study			37.699480		37.699480°	
пеш				-121.169850 °		-121.169850°	
DWR ID							
Comment Code							

Inspector Comment

FS_ID:20085 DS_ID:20445 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: Pipe corroded through at distribution box. Appears

abandoned and should be done so properly.

FIELD_STRUCT_DESC: 1 of 2: 12-inch steel pipe through the levee 3.3-feet below the crown. Pump missing from pile structure on the riverbank. Concrete distribution box on the landward side. Installed by

USACE, 1966. Also included in 1968 O&M manual.

FS Date: 9/11/2013



Pump on pier on WS slope.

LM Start	1.49	Rating **	С	Issue No.		54		
LM End	1.49	Issue Type +	Ма	Location *	WS			
Category Earthen Levee			GPS Latitude/Longitude					
Category			Start		End			
Item	Animal Co	Animal Control			54°	37.699554°		
item				-121.1734	17°	-121.173417°		
DWR ID	DWR_RD2031_01_f _ 2015_54							
Comment Code								
A1 : Exterminate rodents and backfill and compact or grout burrows.								

Inspector Comment

No Photos

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.07	10/20/2016 10/20/2016	Maksim Khashchuk

LM Start	1.56	Rating **	U	Issue No.		3
LM End	1.56	Issue Type +	Ma	Location *		LS
Category	Earthen L	evee		GPS La	atitud	e/Longitude
Calegory				Start		End
Itom	Item Erosion / Bank Caving			37.6987	76°	37.698776°
пеш				-121.174327°		-121.174327°
DWR ID DWR_RD2031_01_s _ 2012_3						
		Comn	nent Cod	de		
E1 : Note a	and monito	or erosion site	•			
		Inspecto	or Comm	nent		
Erosion is	active arou	und the irrigat	on stand	dpipe.		

Ма

Issue No.

Location *

3 (cont)

LS

Rating **

Issue Type +

LM Start

LM End

1.56

1.56

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Photo 1 of 2: FA_2016_RD2031_307_3_20160914_00006.jpg

View of the erosion site on landside slope, facing upstream.

Photo 2 of 2: FA_2016_RD2031_307_3_20160914_00007.jpg



10/26/2011 Active erosion into the levee prism around irrigation standpipe.

LM Start	1.58	Rating **	U	Issue No.		8		
LM End	1.58	Issue Type +	Ма	Location *		WS		
Category	Earthen L	evee		GPS La	atitud	e/Longitude		
Category				Start		End		
Item Erosion / Bank Caving			37.6986	10°	37.698610°			
			-121.174598°		-121.174598°			
DWR ID	DWR ID DWR_RD2031_01_s _ 2012_8							
		Comn	nent Cod	de				
E1 : Note a	and monito	or erosion site						
			_					
		Inspecto	or Comm	nent				
Active eros	sion is occ	urring around	irrigation	n inlet.				



 $10/26/2011 \ \ Active \ erosion \ shown \ around \ irrigation \ in let.$

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.07	10/20/2016 10/20/2016	Maksim Khashchuk

LM Start	1.62	Rating **	М	Issue No.		52	
LM End	1.62	Issue Type +	Ма	Location *	WS		
Category Earthen Levee			GPS Latitude/Longitude				
Category				Start		End	
	Animal Control			37.69833	4°	37.698334	٥
Item				-121.17517	6°	-121.175176	٥
DWR ID	DWR_RD2	DWR_RD2031_01_f _ 2013_52					

Comment Code

A3: No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

LMA is actively controlling rodents. This area is heavily active and should be addressed more aggressively.

Photo 1 of 1: FA_2016_RD2031_307_52_20161024_00094.jpg



View of the active rodent hole on the levee slope. Fall 2016

LM Start	1.63	Rating **	U	Issue No.	9		
LM End	1.63	Issue Type +	Ma	Location *		LS	
Category Earthen Levee				GPS Latitude/Longitude			
Calegory				Start		End	
Erosion / Bank Caving			37.6982	08°	37.698208°		
Item				-121.1754	00°	-121.175400°	
DWR ID	DWR_RD2031_01_s _ 2012_9						
Comment Code							

E1: Note and monitor erosion site.

Inspector Comment

Active erosion around irrigation inlet in levee prism.

Photo 1 of 1: FA_2016_RD2031_307_9_20160914_00013.jpg



10/26/2011 Active erosion into levee prism around irrigation inlet.

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.07	10/20/2016 10/20/2016	Maksim Khashchuk

LM Start	1.78	Rating **	М	Issue No.	996		
LM End	1.78	Issue Type +	En	Location *	LS		
Category Supplemental			GPS Latitude/Longitude				
Calegory				Start		End	
Item	DWR UCI	P Field Study		37.69695	8 °	37.696958°	
пеш				-121.17746	4 °	-121.177464°	
DWR ID						·	

Comment Code

Inspector Comment

FS_ID:41354 DS_ID:20470 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: Silt buildup at inlet and outlet.
FIELD_STRUCT_DESC: 1 of 2: 24-inch corrugated metal pipe through the levee 9.5-feet below the crown. Concrete "U"-shaped headwalls on both ends. Flap gate on the waterward end. Installed by USACE, 1966.

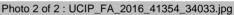
Also included in the 1968 O&M manual.

FS Date: 9/11/2013

LM Start	1.78	Rating **	М	Issue No.	996 (cont)
I M End	1.78	Issue Type +	En	Location *	LS



Concrete headwall on WS toe.





Concrete headwall on LS toe.

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.07	10/20/2016 10/20/2016	Maksim Khashchuk

LM Start	1.78	Rating **	М	Issue No.	988		
LM End	1.78	Issue Type +	En	Location *	LS		
Category Supplemental			GPS Latitude/Longitude				
Calegory				Start		End	
Item	DWR UCI	P Field Study		37.69694	3°	37.696943°	
пеш				-121.17747	o°	-121.177470°	
DWR ID							

Comment Code

Inspector Comment

FS_ID:20092 DS_ID:20447 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: Silt buildup at inlet and outlet.

FIELD_STRUCT_DESC: 2 of 2: 24-inch corrugated metal pipe through the levee 9.5-feet below the crown. Concrete "U"-shaped headwalls on both ends. Flap gate on the waterward end. Installed by USACE, 1966.

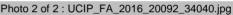
Also included in the 1968 O&M manual.

FS Date: 9/11/2013

LM Start	1.78	Rating **	М	Issue No.	988 (cont)
I M End	1.78	Issue Type +	En	Location *	LS



Concrete U-shaped headwall on WS toe.





Concrete U-shaped headwall on LS toe.

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.07	10/20/2016 10/20/2016	Maksim Khashchuk

LM Start	1.84	Rating **	U	Issue No.	29		
LM End	1.84	Issue Type +	Ma	Location *	LS		
Cotogony	Earthen L	evee		GPS La	atitud	e/Longitude	
Category				Start		End	
Item	Vegetatio	Vegetation			21 °	37.696121°	
пеш				-121.1775	-121.177532°		
DWR ID DWR_RD2031_01_s _ 2016_29							
		Comn	nent Cod	le			
V2 : Remo	ove the wild	d growth other	than na	tive grasse	s fro	m the levee	
		Inspecto	or Comm	ent			



View of the tall vegetation on the landside levee slope.

LM Start	1.85	Rating **	U	Issue No.		37	
LM End	1.85	Issue Type +	En	Location *		WS	
Category Earthen Levee				GPS Latitude/Longitude			
Calegory				Start		End	
Encroachments			37.6958	67°	37.695867°		
Item				-121.1776	38°	-121.177638°	
DWR ID	DWR_RD2	031_01_s _ 201	2_37			·	

Comment Code

CR: Crops

Inspector Comment

Several bales of hay at toe of levee. LMA notified the landowner and still no compliance.

Photo 1 of 1 : FA_2016_RD2031_307_37_20160914_00022.jpg

View of the hay bails at the waterside levee toe.

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.07	10/20/2016 10/20/2016	Maksim Khashchuk

LM Start	1.86 Rating ** M		Issue No.		989			
LM End	1.86	Issue Type +	En	Location *	WS			
Category Supplemental				GPS Latitude/Longitude				
Calegory				Start		End		
Item	DWR UCIP Field Study			37.69573	7°	37.695737	0	
пеш				-121.17753	3°	-121.177533	0	
DWR ID								

Inspector Comment

Comment Code

FS_ID:20109 DS_ID:20448 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: If abandoned it should be done so properly if not, the

pipe should be cleared of soil blockage.

FIELD_STRUCT_DESC: *ABANDONED* 24-inch pipe through levee 6.8 feet below crown. Concrete headwalls on both ends. Flap gate on

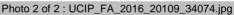
the waterward end. Installed by USACE, 1966.

FS Date: 9/11/2013

LM Start	1.86	Rating **	М	Issue No.	989 (cont)
LM End	1.86	Issue Type +	En	Location *	WS



Concrete U-shaped headwall on WS toe.





Flapgate on WS toe.

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.07	10/20/2016 10/20/2016	Maksim Khashchuk

LM Start	2.00	Rating **	С	Issue No.		38		
LM End	2.07	Issue Type +	Ma	Location *	CR			
Category	Earthen L	evee		GPS La	atitud	e/Longitude		
Calegory				Start		End		
Item	Crown Surface / Depressions / Rutting			37.6937	20°	37.692782	0	
item				-121.177527°		-121.177642	0	
DWR ID	DWR_RD2	031_01_s _ 201	2_38					
		Comn	nent Cod	de				
C2 : Repai	ir depressi	ons or ruts in	the crow	n or slope.				
	Inspector Comment							

No Photos

LM Start	2.05	Rating **	М	Issue No.		46		
LM End	2.05	Issue Type +	Ma	Location *	WS			
Category	Earthen L	evee		GPS La	atitud	e/Longitude		
Calegory				Start		End		
Encroachments				37.6929	93°	37.692993°		
пеш			-121.177526°		-121.177526°			
DWR ID	DWR_RD2	031_01_f _ 201	6_46					
		Comn	nent Cod	de				
TR : Tree	or limb							
	Inspector Comment							



View of the broken tree limb on the waterside levee slope.

LM Start	2.14	Rating **	М	Issue No.		47		
LM End	2.14	Issue Type +	Ма	Location *	ocation * WS			
Category	Earthen L	evee		GPS La	atitud	e/Longitude		
Calegory				Start		End		
Item Animal Control			37.6918	87°	37.691887°			
			-121.178127°		-121.178127°			
DWR ID	DWR_RD2	031_01_f _ 201	6_47					
		Comn	nent Cod	de				
A1 : Exterr	minate rod	ents and back	fill and o	compact or	grou	t burrows.		
		Inspecto	or Comm	nent				



View of the rodent holes on the waterside levee slope.

*Location

LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown

** Rating

A: Acceptable N: Not Inspected/Rated M: Minimally Acceptable U: Unacceptable U: Unacceptable WA: Acceptable but Monitor & Maintain

** Rating

A: Acceptable N: Not Inspected/Rated Ma: Maintenance Deficiancy Ob: Design & System Obsolescence En: Enforcement

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.07	10/20/2016 10/20/2016	Maksim Khashchuk

LM Start	2.15	Rating **	М	Issue No.		39	
LM End	2.15	Issue Type +	En	Location *	WS		
Earthen Levee			GPS Latitude/Longitude				
Category				Start		End	
ltem Encroachments			37.6916	87°	37.691687°		
				-121.178285°		-121.178285°	
DWR ID	ID DWR_RD2031_01_f _ 2012_39						
		Comn	nent Cod	de			
CR : Crops	S						
		Inspecto	or Comm	nent			
Hay bale of	n watersid	e levee slope					



View of hay bales at toe of levee on waterward side, facing downstream. 05/02/2012

LM Start	2.40	Rating **	М	Issue No.		53		
LM End	2.44	Issue Type +	En	Location *	LS			
Category	Earthen L	evee		GPS La	atitud	e/Longitude		
				Start		End		
ltem Encroachments			37.6884	65°	37.688064°			
				-121.1798	21 °	-121.180175 °		
DWR ID DWR_RD2031_01_s _ 2015_53								
		Comn	nent Cod	de				
DE : Debri	s							
			_					
		Inspecto	or Comm	nent				

LM Start	2.40	Rating **	М	Issue No.	53 (cont)
LM End	2.44	Issue Type +	En	Location *	LS



View of the debris at the landside levee toe.



View of another debris pile in close proximity of the previous photo.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.07	10/20/2016 10/20/2016	Maksim Khashchuk

LM Start	2.45	Rating **	М	Issue No.		998	
LM End	2.45	Issue Type +	En	Location *		LS	
Category				GPS Latitude/Longitude			
Calegory				Start		End	
Item	DWR UCIP Field Study			37.68794	9°	37.687949	0
пеш				-121.18030	5 °	-121.180305	0
DWR ID							

Inspector Comment

Comment Code

FS_ID:50753 DS_ID:24669 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: 11/16/2016 No access to WS due to cattle fence in place. Need to coordinate with property owner to obtain access on WS. Unable to find inlet on LS. Reommend internal inspection of crossing. Crossing has been downgraded from Urgent to Non-Urgent no signs of leaks where present on crown or slopes where pipe should be. (O. Magana - DWR UCIP)09/11/2013 Flapgate partially blocked by soil on WS toe. Good candidate for video inspection. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee at an unknown depth. Flapgate is located on the waterside (WS) toe. Pipe may originate at concrete distribution box on LS toe.

FS Date: 11/16/2016

LM Start	2.45	Rating **	М	Issue No.	998 (cont)
LM End	2.45	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_FA_2016_50753_39002.jpg

Flapgate and pipe visible on WS toe.

Photo 2 of 2: UCIP_FA_2016_50753_39001.jpg



Flapgate partially blocked by soil on WS toe.

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.07	10/20/2016 10/20/2016	Maksim Khashchuk

LM Start	2.62	Rating **	М	Issue No.		45		
LM End	2.62	Issue Type +	Fn	Location *		WS		
Earthen Levee				GPS Latitude/Longitude				
Category			Start		End			
Item	Encroachments			37.687146°		37.687146°		
пеш	nem				52°	-121.183152°		
DWR ID DWR_RD2031_01_f _ 2012_45								
		Comn	nent Cod	de				
CR : Crops	5							
Inancetor Comment								
Inspector Comment								
Hay bale on waterside levee slope.								



View of hay bales at toe of levee on waterward side, facing downstream.

LM Start	3.08	Rating **	М	Issue No.		Issue No. 9		990
LM End	3.08	Issue Type +	En	Location *		Location *		WS
Category				GPS Latitude/Longitude				
Calegory			Start		End			
Item	DWR UCIP Field Study			37.68829	97°	37.688297°		
item				-121.19086	65 °	-121.190865 °		
DWR ID								

Inspector Comment

Comment Code

FS_ID:20449 DS_ID:20451 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: Pipe appears to be abandoned and if so should be

done so properly.

FIELD_STRUCT_DESC: *ABANDONED* 24-inch corrugated metal pipe through levee 14.0 feet below crown. Slide gate in 36-inch corrugated metal pipe riser on the waterward slope. Originally included in the 1968 O&M manual.
FS Date: 9/11/2013

Photo 1 of 2: UCIP_FA_2016_20449_34506.jpg



Slide gate in CMP riser on WS slope.

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.07	10/20/2016 10/20/2016	Maksim Khashchuk

LM Start	3.08	Rating **	М	Issue No.		990 (cont)		
LM End	3.08	Issue Type +	En	Location *	WS			
Category				GPS Latitude/Longitude				
Category	Category					End		
Item	DWR UCI	DWR UCIP Field Study			7 °	37.688297°		
пеш				-121.190865°		-121.190865°		
DWR ID						·		
	Comment Code							

Inspector Comment

FS_ID:20449 DS_ID:20451 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: Pipe appears to be abandoned and if so should be

done so properly.

FIELD_STRUCT_DESC: *ABANDONED* 24-inch corrugated metal pipe through levee 14.0 feet below crown. Slide gate in 36-inch corrugated metal pipe riser on the waterward slope. Originally included in the 1968 O&M manual.

FS Date: 9/11/2013

Photo 2 of 2 : UCIP_FA_2	016_20449_34505.jpg
	09/11/2013 12:42

Pipe not visible on LS toe.

LM Start	3.17	Rating **	М	Issue No.		55		
LM End	3.28	Issue Type +	En	Location *		LS		
Category Earthen Levee				GPS Latitude/Longitude				
Category				Start		End		
Itom	ltem Encroachments			37.689368°		37.690829°		
item				-121.19168	80°	-121.192511°		
DWR ID	DWR_RD2	031_01_f _ 201	3_55					
	Comment Code							
ΔT · Δarica	ΔT · Δaricultural tilling							

AT : Agricultural tilling

Inspector Comment

Landside levee toe has about 12 inch vertial cut.

No Photos

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.07	10/20/2016 10/20/2016	Maksim Khashchuk

LM Start	3.66	Rating **	М	Issue No.	995			
LM End	3.66	Issue Type +	En	Location *	LS			
Category				GPS Latitude/Longitude				
Calegory	Category					End		
Item	DWR UCI	DWR UCIP Field Study			0°	37.689900°		
пеш				-121.198319°		-121.198319°		
DWR ID						·		
	Comment Code							

Inspector Comment

FS_ID:23064 DS_ID:20478 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

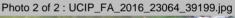
UCIP Comments: Good candidate for video inspection.
FIELD_STRUCT_DESC: 24-inch CMP drainpipe through levee 5.5 feet below crown. Flapgate visilbe at WS toe. Originally included in the

1968 O&M manual. FS Date: 9/12/2013

LM Start	3.66	Rating **	М	Issue No.	995 (cont)
LM End	3.66	Issue Type +	En	Location *	LS



CMP pipe and flapgate visible at WS toe.





CMP pipe and flapgate visible at WS toe.

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.07	10/20/2016 10/20/2016	Maksim Khashchuk

LM Start	3.69	Rating **	М	Issue No.		992	
LM End	3.69	Issue Type +	En	Location *	LS		
Category				GPS Latitude/Longitude			
Calegory				Start		End	
DWR UCIP Field Study			37.6897	12 °	37.689742°		
пеш				-121.1987	78°	-121.198778°	
DWR ID	/R ID						
Comment Code							

Inspector Comment

FS_ID:22843 DS_ID:24672 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: No permit identified for this possible crossing. FIELD_STRUCT_DESC: 4-inch steel irrigation line through the levee at unknown depth. Pipe visible between larger irrigation pipes below slant pump on WS slope.

FS Date: 9/12/2013

LM Start	3.69	Rating **	М	Issue No.	992 (cont)
LM End	3.69	Issue Type +	En	Location *	LS



Pipe visible between larger irrigation pipes below slant pump on WS slope.

Photo 2 of 2: UCIP_FA_2016_22843_39014.jpg



Pipe visible between larger irrigation pipes below slant pump on WS slope.

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.07	10/20/2016 10/20/2016	Maksim Khashchuk

LM Start	3.69	Rating **	М	Issue No.		991	
LM End	3.69	Issue Type +	En	Location *	LS		
Category				GPS Latitude/Longitude			
Calegory				Start		End	
DWR UCIP Field Study			37.68973	39°	37.689739°		
Item				-121.198790°		-121.198790°	
DWR ID	DWR ID						
Comment Code							

Inspector Comment

FS_ID:20667 DS_ID:20456 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: Siphon breaker missing from LS shoulder. Fish screen and pipe end covered in debris that may cause damage to pipe. FIELD_STRUCT_DESC: 1 of 2: 20-inch steel irrigation pipe through levee 3.9 feet below crown. Slant pump in pump house mounted on piles on the berm. Siphon breaker in corrugated metal pipe riser on the landward shoulder. Service pole on the landward slope. 5'X5' concrete distribution box on LS toe with flapgate. Originally included in the 1968 O&M manual.

FS Date: 9/12/2013

LM Start	3.69	Rating **	М	Issue No.	991 (cont)
LM End	3.69	Issue Type +	En	Location *	LS



Concrete distribution box on LS slope.

Photo 2 of 2: UCIP_FA_2016_20667_34749.jpg



Slant pump in pumphouse on WS berm.

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.07	10/20/2016 10/20/2016	Maksim Khashchuk

LM Start	3.69	Rating **	М	Issue No.		993
LM End	3.69	Issue Type +	En	Location *	LS	
Category	ental	GPS Latitude/Longitude				
Calegory				Start		End
Item	DWR UCI	P Field Study		37.6897	57°	37.689757°
пеш				-121.1988)4°	-121.198804°
DWR ID						·

Inspector Comment

Comment Code

FS_ID:22845 DS_ID:24671 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: No permit identified for this possible crossing. FIELD_STRUCT_DESC: 2.5-inch galvanized iron irrigation line through the levee at unknown depth. Submersible pump at WS slope.

FS Date: 9/12/2013

LM Start	3.69	Rating **	М	Issue No.	993 (cont)
LM End	3.69	Issue Type +	En	Location *	LS



Pipe visible on WS of pumphouse.

Photo 2 of 2: UCIP_FA_2016_22845_39020.jpg



Pipe and appurtances visible on downstream side of and next to larger irrigation pipe.

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.07	10/20/2016 10/20/2016	Maksim Khashchuk

LM Start	3.74	Rating **	U	Issue No.		33	
LM End	4.25	Issue Type +	Ma	Location *		LS	
Category Earthen Levee				GPS Latitude/Longitude			
				Start		End	
Item	Vegetation				57°	37.687689°	
пеш				-121.199746 °		-121.205726°	
DWR ID DWR_RD2031_01_f _ 2016_33							
Comment Code							

Comment Code

V2 : Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

Trim back woody vegetation at least 15 feet away from the landside levee toe.

LM Start	3.74	Rating **	U	Issue No.	33 (cont)
LM End	4.25	Issue Type +	Ma	Location *	LS

Photo 1 of 3: FA_2016_RD2031_307_33_20160914_00017.jpg



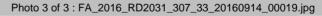
View of the tall vegetation on the landside levee slope and toe.

Photo 2 of 3: FA_2016_RD2031_307_33_20160914_00018.jpg



Typical view of the tall vegetation on the landside levee slope and toe in this area.

LM Start	3.74	Rating **	U	Issue No.	33 (cont)
LM End	4.25	Issue Type +	Ma	Location *	LS





Another view of the tall vegetation on the landside levee slope and toe.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.07	10/20/2016 10/20/2016	Maksim Khashchuk

LM Start	3.78	Rating **	М	Issue No.		57	
LM End	3.81	Issue Type +	Ma	Location *		LS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	Erosion / Bank Caving			37.6903	802°	37.690664°	
пеш				-121.200232 °		-121.200549°	
DWR ID DWR_RD2031_01_f _ 2015_57							
		Comn	nent Cod	de			
E2 : Sched	dule repair	of erosion site	e prior to	the next in	spec	tion.	
		Inspecto	or Comm	nent			
Erosion at the landside levee toe.							

Photo 1 of 1: FA_2016_RD2031_307_57_20160914_00033.jpg

View of the 18 inch vertical cut at the landside levee toe.

LM Start	4.40	Rating **	М	Issue No.		994
LM End	4.40	Issue Type +	En	Location *		LS
Category	ental	GPS Latitude/Longitude				
Calegory				Start		End
DWR UCIP Field Study				37.6865	00°	37.686500°
Item				-121.2079	00°	-121.207900°
DWR ID						

Inspector Comment

Comment Code

FS_ID:22846 DS_ID:24673 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: No permit identified for this possible crossing.
FIELD_STRUCT_DESC: 4-inch galvanized iron irrigation line visible on WS shoulder. May go through the levee at unknown depth. Vent on

WS shoulder. FS Date: 9/12/2013

Photo 1 of 2 : UCIP_FA_2016_22846_39023.jpg

Pipe and vent visible on WS shoulder.

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.07	10/20/2016 10/20/2016	Maksim Khashchuk

LM Start	4.40	Rating **	М	Issue No.		994 (cont)	
LM End	4.40	Issue Type +	En	Location *	LS		
Category	Suppleme	GPS Latitude/Longitude					
Calegory	egory					End	
Item	DWR UCI	IP Field Study		37.6865	00 °	37.686500	0
пеш				-121.2079	00 °	-121.207900	0
DWR ID							
		Comn	nent Coc	de			

Inspector Comment

FS_ID:22846 DS_ID:24673 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: No permit identified for this possible crossing. FIELD_STRUCT_DESC: 4-inch galvanized iron irrigation line visible on WS shoulder. May go through the levee at unknown depth. Vent on

WS shoulder. FS Date: 9/12/2013



Pipe and vent visible on WS shoulder.

LM Start	4.50	Rating **	М	Issue No.		41		
LM End	4.50	Issue Type +	En	Location *	LS			
Category Earthen Levee				GPS Latitude/Longitude				
Calegory	Category					End		
Item	Vegetatio	n		37.6852	68°	37.685268 °		
item				-121.2083	80°	-121.208380 °		
DWR ID DWR_RD2031_01_s _ 2012_41								
Comment Code								

V6: Landscaping

Inspector Comment

No Photos

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.07	10/20/2016 10/20/2016	Maksim Khashchuk

LM Start	4.52	Rating **	U	Issue No.		43	
LM End	4.52	Issue Type +	Ma	Location *		LS	
Earthen Levee			GPS La	atitud	le/Longitude		
Category				Start		End	
Item	Vegetatio	n		37.6849	° 88	37.684988 °	
пеш				-121.2083	66°	-121.208366°	
DWR ID DWR_RD2031_01_s _ 2016_43							
		Comn	nent Cod	de			
V2 : Remoslopes.	ove the wild	growth other	than na	tive grasse	s fro	m the levee	
		Inspecto	or Comm	nent			



View of the tall vegetation on the landside levee slope and toe.

LM Start	4.55	Rating **	М	Issue No.		982		
LM End	4.75	Issue Type +	En	Location *		LS		
Category	Earthen L	evee		GPS Latitude/Longitude				
Category				Start		End		
Item	Vegetatio	n		37.6844	74°	37.682167°		
пеш				-121.2084	47°	-121.209098°		
DWR ID	DWR ID DWR_RD2031_01_s _ 2012_982							
		Comn	nent Cod	de				
V6 : Lands	caping							
		Inspecto	or Comm	nent				
Poplars an	Poplars and other landscaping at levee toe.							

No Photos

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.07	10/20/2016 10/20/2016	Maksim Khashchuk

LM Start	4.97	Rating **	М	Issue No.		983	
LM End	4.97	Issue Type +	En	Location *	LS		
Supplemental			GPS Latitude/Longitude				
Calegory	Category					End	
Item	DWR UCI	P Field Study		37.68010)3 °	37.680103°	
пеш				-121.21201	6°	-121.212016°	
DWR ID						·	

Inspector Comment

Comment Code

FS_ID:20688 DS_ID:20461 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: CMP riser on WS slope is missing lid and may be a

hazard.

FIELD_STRUCT_DESC: 36-inch corrugated metal irrigation pipe through levee 11-feet below crown. Slide gate in 48-inch CMP riser on the waterward slope. 5'X5' Concrete distribution box 10 feet from the waterward toe. Underground irrigation system on the landside with concrete standpipes visible in field. Originally included in the 1968 O&M manual.

FS Date: 9/12/2013

LM Start	4.97	Rating **	М	Issue No.	983 (cont)
LM End	4.97	Issue Type +	En	Location *	LS

Photo 1 of 2: UCIP_FA_2016_20688_34799.jpg



Concrete standpipes visible in field off LS toe.

Photo 2 of 2: UCIP_FA_2016_20688_34798.jpg



Slide gate in CMP riser on WS shoulder with concrete distribution box visible in background at WS toe.

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Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.07	10/20/2016 10/20/2016	Maksim Khashchuk

	F 00	Dating **	^	Issue No.		40	
LM Start	5.30	Rating **	Α	issue ivo.		49	
LM End	5.65	Issue Type +	Ma	Location *		LS	
Category Earthen Levee			GPS La	atitud	e/Longitude		
Calegory				Start		End	
Item	Vegetatio	n		37.6783	47°	37.673308°	
пеш				-121.217366 ° -121.217			
DWR ID DWR_RD2031_01_f _ 2016_49							
		Comn	nent Cod	de			
V1 : Contro easements		rass and wee	eds on th	e levee slo	pes a	and	
		Inspecto	or Comm	nent			
Good vegetation maintenance by LMA.							
-							



View of acceptable vegetation control on the levee slope.

LM Start	6.27	Rating **	М	Issue No.		56	
LM End	6.27	Issue Type +	Ма	Location *	WS		
Earthen Levee				GPS L	atitud	le/Longitude	
Category				Start		End	
Item	Encroach	ments		37.6689	979°	37.668979°	
пеш				-121.2257	'66 °	-121.225766 °	
DWR ID DWR_RD2031_01_f _ 2016_56							
		Comn	nent Cod	de			
TR : Tree	or limb						
		1	0	1			
		Inspecto	or Comm	nent			



View of the broken tree limb on the levee slope.

Unit Cover Sheet

Fall 2016 Levee Inspection Results

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles
Unit No. 02 San Joaquin River	Right	5.98

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			М	
Date of Inspection	3/30/2016 - 4/6/2016		10/20/2016 - 10/20/2016	
DWR Inspector	Maksim Khashchuk		Maksim Khashchuk	
Accompanied By	Arvid Carlson RD2031 Elliott			

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

http://cdec.water.ca.gov/lma.html

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	5.98	10/20/2016 10/20/2016	Maksim Khashchuk

LM Start	0.24	Rating **	М	Issue No.		Issue No. 967		967
LM End	0.24	Issue Type +	En	Location *		WS		
Category				GPS Lat	tud	e/Longitude		
Calegory				Start		End		
Item	DWR UCI	P Field Study		37.65859	5 °	37.658595		
пеш				-121.23441	o°	-121.234410		
DWR ID								

Inspector Comment

Comment Code

FS_ID:20708 DS_ID:20484 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: Inlet filled with soil, and CMP riser on WS slope

needs lid as it may be a hazard.

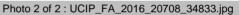
FIELD_STRUCT_DESC: 48-inch corrugated metal pipe through levee 22.8 feet below crown. Slide gate in 5-foot diameter corrugated metal pipe riser on the waterward slope. Concrete "U" headwall on both ends. Flap gate on the waterward end. Originally included in the 1968 O&M manual.

FS Date: 9/17/2013

LM Start	0.24	Rating **	М	Issue No.	967 (cont)
LM End	0.24	Issue Type +	En	Location *	WS



Slide gate in CMP riser on WS slope.





Concrete headwall on LS toe at edge of pond.

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	5.98	10/20/2016 10/20/2016	Maksim Khashchuk

	1								
LM Start	0.46	Rating **	Α	Issue No.		16			
LM End	0.76	Issue Type +	Ma	Location *		LS			
Category	Earthen L	evee		GPS La	atitud	le/Longitude			
Calegory			Start		End				
ltem Vegetation			37.6556	79°	37.653843°				
			-121.234410 °		° -121.229365°				
DWR ID	DWR_RD2	DWR_RD2031_02_f _ 2016_16							
		Comn	nent Cod	de					
V1 : Contro	ol annual g	rass and wee	ds on th	e levee slo	pes	and			
easements	S.								
		Inspecto	or Comm	nent					
No unwant	ed vegeta	tion on levee :	slope.						
·									

Photo 1 of 1: FA_2016_RD2031_308_16_20161024_00033.jpg



View of acceptable vegetation control on the levee slope.

LM Start	1.28	Rating **	С	Issue No.	8		
LM End	1.28	Issue Type +	En	Location *	WS		
Category	Earthen L	evee		GPS La	titud	e/Longitude	
Calegory				Start		End	
Item	Encroachi	ments		37.649918° 37		37.649918°	
пеш				-121.2219	13°	-121.221913°	
DWR ID	DWR_RD2	031_02_s _ 201	3_8				
Comment Code							

BU: Building

Inspector Comment

Permit No. 5793. LMA removed the dog kettles.

No Photos

LM Start	1.35	Rating **	U	Issue No.	4		
LM End	1.35	Issue Type +	En	Location *	LS		
Category	Earthen L	evee		GPS La	atitud	le/Longitude	
Calegory				Start		End	
Item	Encroachments			37.6488	98°	37.648898°	
itom	"				21 °	-121.221621 °	
DWR ID	DWR_RD2	031_02_s _ 201	2_4				
		Comn	nent Cod	de			
BU : Buildi	ng						
		Inspecto	or Comm	nent			



Small structure on levee slope.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	5.98	10/20/2016 10/20/2016	Maksim Khashchuk

LM Start	1.41	Rating **	С	Issue No.		15			
LM End	1.41	Issue Type +	Ma	Location *		LS			
Category	Earthen L	evee		GPS La	atitud	le/Longitude			
Calegory				Start		End			
Item	Trim / Thi	n / Thin Trees			° 08	37.648080	0		
пеш		-121.2210	31 °	-121.221031	0				
DWR ID	DWR_RD2	DWR_RD2031_02_s _ 2013_15							
		Comn	nent Cod	de					
T1: Trim t	rees to at I	east five feet	above g	round level.					
Inspector Comment									

No Photos

LM Start	1.42	Rating **	A/W	Issue No.		965	
LM End	1.46	Issue Type +	Ma	Location *		LS	
Catagory	Earthen L	evee		GPS La	atitud	e/Longitude	
Category				Start		End	
Item	Vegetation			37.6480	05°	37.647476	0
item			-121.2210	39°	-121.220766	0	
DWR ID	DWR_RD2	031_02_s _ 201	2_965				
		^	. ^	I.			

Comment Code

V2 : Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

Wild rose bush on landside slope. LMA mowed the shrubs in fall 2016. Site must be maintained or shrubs will grow back.

LM Start	1.42	Rating **	A/W	Issue No.	965 (cont)
LM End	1.46	Issue Type +	Ma	Location *	LS

Photo 1 of 2: FA_2016_RD2031_308_965_20161024_00035.jpg



View of wild rose emerging on levee slope. Fall 2016.

Photo 2 of 2: FA_2016_RD2031_308_965_20160914_00010.jpg



Wild rose on levee slope.

* Location

LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown

** Rating

A: Acceptable N: Not Inspected/Rated M: Maintenance Deficiancy

M: Minimally Acceptable C: C: Corrected Ob: Design & System Obsolescence

U: Unacceptable A/W: Acceptable but Monitor & Maintain

** Rating

A: Acceptable M: N: Not Inspected/Rated M: Maintenance Deficiancy Ob: Design & System Obsolescence

En: Enforcement

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	5.98	10/20/2016 10/20/2016	Maksim Khashchuk

LM Start	2.01	Rating **	М	Issue No.		25	
LM End	2.01	Issue Type +	Ма	Location *	LS		
Catagory	Earthen L	evee		GPS La	atitud	e/Longitude	
Category				Start		End	
Trim / Thin Trees			37.6408	74°	37.640874°		
Item			-121.223870 °		° -121.223870		
DWR ID	DWR_RD2	DWR_RD2031_02_f _ 2014_25					
		Comn	nent Cod	de			
T1 : Trim t	rees to at I	east five feet	above g	round level.			
		Inspecto	or Comm	nent			



View of the overgrown tree obstructing visibility and access of the landside levee slope.

LM Start	2.14	Rating **	М	Issue No.	21		
LM End	2.14	Issue Type +	Ма	Location *	CR		
Category Earthen Levee				GPS Latitude/Longitude			
Category				Start		End	
Item	Vegetatio	n		37.6406	32°	37.640632°	
пеш			-121.2215	39°	-121.221539°		
DWR ID	DWR_RD2031_02_f _ 2014_21						
Comment Code							

V2 : Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

Photo 1 of 1: FA_2016_RD2031_308_21_20160914_00007.jpg



View of overgrown vegetation on the levee crown.

LM Start	2.27	Rating **	U	Issue No.		26	
LM End	2.28	Issue Type +	Ob	Location *	WS		
Category	Cotagon Earthen Levee			GPS La	atitud	e/Longitude	
Category			Start		End		
Item	Erosion / Bank Caving			37.6403	71°	37.640340°	
пеш			-121.219254°		-121.218974°		
DWR ID	DWR_RD2	031_02_f _ 201	4_26				
		Comn	nent Cod	de			
E1 : Note a	and monito	or erosion site					
	Inspector Comment						



View of the caving bank on the waterside facing upstream.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	5.98	10/20/2016 10/20/2016	Maksim Khashchuk

LM Start	2.72	Rating **	М	Issue No.		968	
LM End	2.72	Issue Type +	En	Location *	WS		
Category				GPS Latitude/Longitude			
Calegory			Start		End		
Item	DWR UC	IP Field Study		37.6377	60°	37.637760°	
пеш				-121.2117	43 °	-121.211743°	
DWR ID							
	Comment Code						

Inspector Comment

FS_ID:20713 DS_ID:20490 EP_NO: 11758 Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: Pipe rusted through and failing at WS toe. Good indicator of internal condition of pipe. Good candidate for video inspection.

FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drain pipe through levee 17.0 feet below crown. 20-inch steel pipe and 1.25-inch galvanized conduit sleeved through pipe. Annular space has been pressure grouted. 24-inch pipe originally included in the 1968 O&M manual. Slide gate in 48-inch CMP riser on LS slope. 36-inch concrete standpipe at LS toe with pump on 48-inch steel standpipe. 20-inch and 1.5-inch pipes installed under Permit No. 11758, 1976. FS Date: 9/17/2013

1 0 Date: 3/11/2013

LM Start	2.72	Rating **	M	Issue No.	968 (cont)
LM End	2.72	Issue Type +	En	Location *	WS



Pipe visible on LS toe.

Photo 2 of 2: UCIP_FA_2016_20713_34837.jpg



Flow line of pipe completely rusted through at LS toe.

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	5.98	10/20/2016 10/20/2016	Maksim Khashchuk

1110	2.07	Rating **	М	Issue No.		066	
LM Start	2.97	Rating	IVI	issue ivo.	966		
LM End	3.57	Issue Type +	Ма	Location *	LS		
Category Earthen Levee			GPS La	atitud	le/Longitude		
Category				Start		End	
Item	Trim / Thin Trees			37.6376	26°	37.638301 °	
item				-121.2071	91°	-121.196465 °	
DWR ID	DWR_RD2	031_02_s _ 201	2_966				
		Comn	nent Cod	de			
T1 : Trim t	rees to at I	east five feet	above g	round level.			
		Inspecto	or Comm	nent			
Obstructive trees and vegetation along highway are on the landside slope of the levee.							

No Photos

LM Start	3.21	Rating **	M	Issue No.	970		
LM End	3.21	Issue Type +	En	Location *	LS		
Category	Suppleme	GPS Latitude/Longitude					
Calegory				Start		End	
Item	DWR UC	IP Field Study		37.6381	85°	37.638185	0
пеш				-121.2029	06°	-121.202906	0
DWR ID							

Comment Code

Inspector Comment

FS_ID:20719 DS_ID:20492 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: Annular space between 20-inch and 24-inch pipe not

grouted.

FIELD_STRUCT_DESC: 24-inch steel pipe through levee 8.0 feet below crown. Pump on pile structure in river. 20-inch steel pipe sleeved through 24-inch. 4'X11' concrete distribution box on LS toe. 2-inch electrical conduit at same location. Originally included in the 1968 O&M manual.

FS Date: 9/17/2013

Photo 1 of 2: UCIP_FA_2016_20719_34860.jpg



24-inch with 20-inch sleeved through it.

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	5.98	10/20/2016 10/20/2016	Maksim Khashchuk

LM Start	3.21	Rating **	М	Issue No.		970 (cont)	
LM End	3.21	Issue Type + En		Location *		LS	
Category				GPS Latitude/Longitude			
Calegory				Start		End	
Item	DWR UCI	P Field Study		37.63818	35 °	37.638185	
пеш				-121.20290)6°	-121.202906	
DWR ID							

Inspector Comment

Comment Code

FS_ID:20719 DS_ID:20492 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: Annular space between 20-inch and 24-inch pipe not

grouted.

FIELD_STRUCT_DESC: 24-inch steel pipe through levee 8.0 feet below crown. Pump on pile structure in river. 20-inch steel pipe sleeved through 24-inch. 4'X11' concrete distribution box on LS toe. 2-inch electrical conduit at same location. Originally included in the 1968 O&M manual.

FS Date: 9/17/2013



Concrete distribution box on LS slope.

LM Start	3.22	Rating **	М	Issue No.		969	
LM End	3.22	Issue Type +	En	Location *	LS		
Category	Supplemental				GPS Latitude/Longitude		
Calegory		Start		End			
Item	DWR UCI	P Field Study		37.63818	6°	37.638186°	
пеш				-121.20289	5 °	-121.202895 °	
DWR ID							
	Comment Code						

Inspector Comment

FS_ID:20718 DS_ID:20493 EP_NO: N/A Repair Type: Non-Urgent

Crossing Status: Found

UCIP Comments: Pipe appears abandoned and if so should be done so properly.

FIELD_STRUCT_DESC: 16-inch steel pipe through levee 7.5 feet below crown. Pump on pile structure in river. 4'X11' concrete distribution box on LS slope. 6'X6' concrete distribution box off LS toe. Originally included in the 1968 O&M manual.

FS Date: 9/17/2013



Pipe at right-abandoned.

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	5.98	10/20/2016 10/20/2016	Maksim Khashchuk

LM Start	3.22	Rating **	М	Issue No.	sue No. 969 (cont)		
LM End	3.22	Issue Type +	En	Location *		LS	
Category	ental	GPS Latitude/Longitude					
Calegory		Start End				End	
Item	DWR UC	P Field Study		37.63818	36°	37.638186°	
пеш				-121.20289	95 °	-121.202895 °	
DWR ID							
	Comment Code						

Inspector Comment

FS_ID:20718 DS_ID:20493 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: Pipe appears abandoned and if so should be done so

FIELD_STRUCT_DESC: 16-inch steel pipe through levee 7.5 feet below crown. Pump on pile structure in river. 4'X11' concrete distribution box on LS slope. 6'X6' concrete distribution box off LS toe.

Originally included in the 1968 O&M manual.

FS Date: 9/17/2013



concrete distribution box on LS toe.

LM Start	3.84	Rating **	М	Issue No.		17		
LM End	3.84	Issue Type +	Ma	Location *		LS		
Category Earthen Levee				GPS Latitude/Longitude				
Category				Start		End		
Item	Slope Sta	bility		37.6379	16°	37.637916°		
пеш				-121.1915	95 °	-121.191595°		
DWR ID DWR_RD2031_02_f _ 2016_17								
	Comment Code							

S3: Repair the levee slope damaged by vehicle traffic and prevent access where possible.

Inspector Comment

Photo 1 of 1: FA_2016_RD2031_308_17_20161024_00036.jpg



View of the tire tracks on the levee slope.

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	5.98	10/20/2016 10/20/2016	Maksim Khashchuk

LM Start	4.29	Rating **	A/W	Issue No.		1
LM End	4.33	Issue Type +	Ма	Location *		WS
Category	ental	GPS Latitude/Longitude				
Calegory	y					End
Item	DWR Ero	sion Survey		37.6317	16°	37.631716°
пеш				-121.1893	70°	-121.189370°
DWR ID						
	Comment Code					

Inspector Comment

07/08/2016: The erosion in the berm was found further progressed toward levee toe.

08/19/2015: No significant change observed.

07/17/2014: The erosion has slightly expanded toward levee toe at two pocket locations.

09/10/2013: The site has been visited. The erosion has expanded toward levee crest at two pocket locations.

07/18/2012: No significant change observed on the site.

08/18/2011: No significant change observed on the site. Dead trees and animal activities are visible. The closest point of the erosion site to the levee toe is about 100 ft.

10/19/2010: There is active scouring occurring on the bank due to the nature of the flow and the lack of armor protection. There is also a fallen log immediately downstream of where the erosion has occurred and is protruding outward, possibly creating an eddy and scouring the bank. With the remaining 100-foot wide berm, the levee prism is not yet affected. However, the bank will continue to degrade, and eventually intrude into the levee prism if no protection is put in place. Erosion site is recommended for annual assessment and monitoring during flood events. [2016 Site ID:RD2031U02RM78.7]

LM Start	4.29	Rating **	A/W	Issue No.	1 (cont)
LM End	4.33	Issue Type +	Ma	Location *	WS

Photo 1 of 3: SJR2016_RD2031U02RM78.7_1.jpg



Looking downstream of the erosion site.

Photo 2 of 3: SJR2016_RD2031U02RM78.7_3.jpg



Close view of the pocket erosion.

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	5.98	10/20/2016 10/20/2016	Maksim Khashchuk

LM Start	4.29	Rating **	A/W	Issue No.		1 (cont)	
LM End	4.33	Issue Type +	Ма	Location *	WS		
Category	ental	GPS Latitude/Longitude					
Calegory		Start En					
Item	DWR Ero	sion Survey		37.63171	6°	37.631716°	
пеш				-121.18937	0°	-121.189370°	
DWR ID							
	Comment Code						

Inspector Comment

07/08/2016: The erosion in the berm was found further progressed toward levee toe.

08/19/2015: No significant change observed.

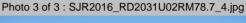
07/17/2014: The erosion has slightly expanded toward levee toe at two pocket locations.

09/10/2013: The site has been visited. The erosion has expanded toward levee crest at two pocket locations.

07/18/2012: No significant change observed on the site.

08/18/2011: No significant change observed on the site. Dead trees and animal activities are visible. The closest point of the erosion site to the levee toe is about 100 ft.

10/19/2010: There is active scouring occurring on the bank due to the nature of the flow and the lack of armor protection. There is also a fallen log immediately downstream of where the erosion has occurred and is protruding outward, possibly creating an eddy and scouring the bank. With the remaining 100-foot wide berm, the levee prism is not yet affected. However, the bank will continue to degrade, and eventually intrude into the levee prism if no protection is put in place. Erosion site is recommended for annual assessment and monitoring during flood events. [2016 Site ID:RD2031U02RM78.7]





Close view of the erosion.

LM Start	4.70	Rating **	М	Issue No.		972
LM End	4.70	Issue Type +	En	Location *		WS
Category	Suppleme	ental		GPS La	atitud	e/Longitude
Category				Start		End
Item	DWR UCI	IP Field Study		37.6308	15°	37.630815
пеш				-121.1824	16°	-121.182416 [']
DWR ID						

Inspector Comment

Comment Code

FS_ID:22872 DS_ID:24676 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: No permit identified for this crossing.

FIELD_STRUCT_DESC: 16-inch PVC irrigation pipe through the levee

6-feet below the crown. Headwall on LS toe.

FS Date: 9/17/2013

Photo 1 of 2 : UCIP_FA_2016_22872_39036.jpg



Concrete headwall at outlet on LS toe.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS: Water Side	M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	5.98	10/20/2016 10/20/2016	Maksim Khashchuk

LM Start	4.70 Rating ** M			Issue No.		972 (cont)	
LM End	4.70 Issue Type + En Loca			Location *	WS		
Category	Suppleme	ental		GPS La	atitud	e/Longitude	
Calegory			Start		End		
Item	DWR UCI	P Field Study		37.6308	15 °	37.630815°	
пеш				-121.1824	16°	-121.182416 °	
DWR ID	R ID						
Comment Code							

Inspector Comment

FS_ID:22872 DS_ID:24676 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: No permit identified for this crossing.

FIELD_STRUCT_DESC: 16-inch PVC irrigation pipe through the levee

6-feet below the crown. Headwall on LS toe.

FS Date: 9/17/2013



Concrete debris placed over pipe location on WS shoulder.

LM Start	5.63	Rating **	М	Issue No.		973
LM End	5.63 Issue Type + En		Location *		WS	
Category	Suppleme	ental		GPS La	atitud	e/Longitude
Calegory				Start		End
Item	DWR UCI	P Field Study		37.6307	79°	37.630779°
пеш				-121.1654	02 °	-121.165402°
DWR ID						·

Comment Code

Inspector Comment

FS_ID:22873 DS_ID:24677 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: No permit identified for this crossing.

FIELD_STRUCT_DESC: 24-inch PVC irrigation pipeline through levee 5.0-feet below crown. Slide gate at waterward shoulder. 6-inch steel

riser on WS shoulder. FS Date: 9/17/2013

Photo 1 of 2: UCIP_FA_2016_22873_39038.jpg



Concrete turnouts visible off LS toe along road.

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	5.98	10/20/2016 10/20/2016	Maksim Khashchuk

LM Start	5.63	Rating **	М	Issue No.		973 (cont)
LM End	5.63	Issue Type +	En	Location *		WS
Category	Suppleme	ental		GPS La	tituc	le/Longitude
Calegory				Start		End
Item	DWR UCI	P Field Study		37.63077	79°	37.630779°
пеш				-121.16540)2 °	-121.165402°
DWR ID						
Comment Code						

Inspector Comment

FS_ID:22873 DS_ID:24677 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: No permit identified for this crossing.

FIELD_STRUCT_DESC: 24-inch PVC irrigation pipeline through levee 5.0-feet below crown. Slide gate at waterward shoulder. 6-inch steel

riser on WS shoulder. FS Date: 9/17/2013



Slide gate and vent at concrete headwall on canal at WS shoulder.

LM Start	5.93 Rating ** M			Issue No.		971	
LM End	5.93 Issue Type + En Location * W				WS		
Category	Suppleme	ental		GPS La	atitud	le/Longitude	
Calegory				Start		End	
Item	DWR UCIP Field Study			37.6307	60°	37.630760°	
пеш				-121.1599	51 °	-121.159951 °	
DWR ID					·		
Comment Code							

Inspector Comment

FS_ID:20745 DS_ID:20503 EP_NO: N/A

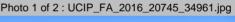
Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: Gasline may not have enough cover.

FIELD_STRUCT_DESC: 8-inch gas line through the levee 1.0-foot below the crown. Originally included in the 1968 O&M manual. Sign on

LS toe, pipe visible at canal.

FS Date: 9/17/2013





Gasline marker on LS toe.

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	5.98	10/20/2016 10/20/2016	Maksim Khashchuk

LM Start	5.93 Rating ** M		М	Issue No.		971 (cont)	
LM End	5.93 Issue Type + En			Location *	WS		
Category	Suppleme	ental		GPS Lat	tuc	le/Longitude	
Calegory				Start		End	
Item	DWR UCIP Field Study			37.63076	o°	37.630760	0
пеш				-121.15995	1 °	-121.159951	0
DWR ID							
Comment Code							

Inspector Comment

FS_ID:20745 DS_ID:20503 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: Gasline may not have enough cover.
FIELD_STRUCT_DESC: 8-inch gas line through the levee 1.0-foot below the crown. Originally included in the 1968 O&M manual. Sign on

LS toe, pipe visible at canal.

FS Date: 9/17/2013



Gasline visible at crossing.